

ABSTRACT OF THE DISCLOSURE

An image pickup apparatus comprises a plurality of pixels arranged in a matrix form, first color filters arranged in an oblique direction for the pixels, second  
5 and third color filters arranged so that a same color is arranged in a horizontal direction, a circuit for adding together signals of two or more pixels each having the first color filter, which are adjacent to each other in an oblique direction, and a circuit for  
10 adding together the signals of two or more pixels each having the second color filter, which are arranged in a horizontal direction, and for adding together the signals of two or more pixels each having the third color filter, which are arranged in the horizontal  
15 direction.

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